

**A BRINK OF FAILURE AND BREACH OF SECURITY DETECTION AND
RECOVERY SYSTEM**

ABSTRACT OF THE INVENTION

5

A method and apparatus for managing a network includes detecting occurrence of a network event associated with a new network condition including unplanned and planned macro-events associated with network elements and communication links of the network. The network event is classified as being associated with at least one of a
10 network element failure, communications link failure, and a security breach. In response to the network event exceeding a network degradation threshold, the network event is identified as a network degradation event, and an alert is sent to a network administrator to normalize the network degradation event.